



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/662,248	09/15/2003	Sean Timothy Crowley	AMKOR-036C	2413
7663	7590	01/20/2006	EXAMINER	
STETINA BRUNDA GARRED & BRUCKER			LE, THAO X	
75 ENTERPRISE, SUITE 250				
ALISO VIEJO, CA 92656			ART UNIT	PAPER NUMBER
			2814	

DATE MAILED: 01/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.



UNITED STATES DEPARTMENT OF COMMERCE

**U.S. Patent and Trademark Office**

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

SK

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
---------------------------------	-------------	---	---------------------

EXAMINER
----------

ART UNIT	PAPER
----------	-------

010406

DATE MAILED:

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner for Patents**

Acknowledgment of Reply Brief.

### DETAILED ACTION

1. The reply brief filed Dec. 19, 2005 has been entered with the following comments:

a. The Applicant argues that claims 24 and 28 are each drawn to a lead frame, not a post-singulation subassembly of a semiconductor package'. Asano clearly discloses lead frame 32, fig. 3A-4 col. 5 line 16, and attaching other semiconductor device such as die or IC to the lead frame 32 is just one of the application or intended use of the lead frame 32, in which the Applicant refers to as 'a post-singulation subassembly of a semiconductor package'. Such 'post-singulation subassembly of a semiconductor package' may have additional devices connecting to the lead frame, but it does not fundamentally alter or change the structure of the lead frame itself. Thus, the Examiner submits that lead frame 32 of Asano would read on the preamble 'lead frame'. Furthermore, the recitation 'lead frame' has not been given patentable weight because the recitation occurs in the preamble. A preamble is generally not accorded any patentable weight where it merely recites the purpose of a process or the intended use of a structure, and where the body of the claim does not depend on the preamble for completeness but, instead, the process steps or structural limitations are able to stand alone. See *In re Hirao*, 535 F.2d 67, 190 USPQ 15 (CCPA 1976) and *Kropa v. Robie*, 187 F.2d 150, 152, 88 USPQ 478, 481 (CCPA 1951).

- b. The Applicant argues that 'parallel is defines as being an equal distance apart everywhere'. It is noted that the features upon which applicant relies (i.e., everywhere) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). Thus, the Examiner respectfully submits that the inners portion 33a in fig. 3B and fig. 6, of Asano are aligned and arranged in spaced, generally parallel relation to each other.
2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thao X. Le whose telephone number is (571) 272-1708. The examiner can normally be reached on M-F from 8:00 AM - 4:30 PM.

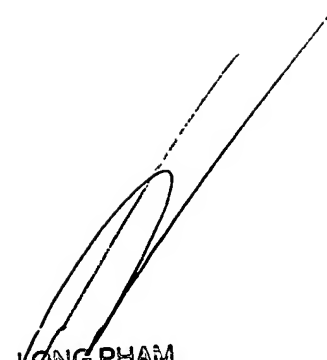
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael M. Fahmy can be reached on (571) 272 -1705. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Application/Control Number: 10/662,248  
Art Unit: 2814

Page 4

Thao X. Le  
04 Jan. 2006



LONG PHAM  
PRIMARY EXAMINER